| <br>dex | <br> |  |
|---------|------|--|
|         |      |  |

Rejected

Allowed

| Appli | cation | n/Conf | rol | No. |
|-------|--------|--------|-----|-----|
|       |        |        |     |     |

10/633,811

Examiner

(Through numeral) Cancelled

Restricted

| Αp | plica | nt(s | s)/Patent | under |
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| Re | exan  | nina | tion      |       |

**KNAPP** 

Art Unit

2873

Scott J. Sugarman

N

Non-Elected

Interference

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|                            |                            | Ц_             | <u> </u>       |          |  |          | 1          |              | ᆫ  | <u> </u> |
|----------------------------|----------------------------|----------------|----------------|----------|--|----------|------------|--------------|--|----------|
|                            | <del>.</del>               | Т              |                |          |  |          |            |              |  |          |
| CI                         | aim                        | <u> </u>       | _              |          | 1  | Dat      | <u>e</u> _ |              |  | ,        |
| _                          | <u>a</u>                   | ıΩ             |                | 1        | l  |          |            |              |  |          |
| Final                      | Original                   | 9/30/02        |                |          | l  |          |            |              |  |          |
| ፲፫                         | 5                          | 6/3            |                | l        | l  |          | ĺ          |              |  | 1 1      |
| L_                         |                            | <u> </u>       |                | _        | L  | L        | L          | <u> </u>     | <u> </u>   |          |
| 1.                         | 1<br>2<br>3<br>4<br>5      | =              | <u> </u>       | _        | L  | <u> </u> |            | <u> </u>     | 1_   | Ш        |
| 2                          | 2                          | =              | _              |          | _  | ┡        | ┞-         | ļ            | _  | Ш        |
| 3                          | 3                          | =              |                |          | _  | ┡        | ┞          | <u> </u>     | ↓_   | Ш        |
| 2<br>3<br>4<br>5           | 4                          | =              | _              | -        | ╄  | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>   | Ш        |
| 2                          | 5                          | =              |                | _        | ┡  | ļ        | <u> </u>   | ļ            | L  | $\sqcup$ |
| 6                          | 6<br>7                     | =              | _              | _        | ļ.<br>—  | -        | _          | ⊢            | ┡  | <u> </u> |
| 7                          |                            | =              | _              | <u> </u> | ┝  | -        | ⊢          | -            | -  | Н        |
| 8                          | 8                          | =              | <u> </u>       | ⊢        | ⊢  | ⊢        | _          | <u> </u>     | ⊢  | Ш        |
| 9                          | 9                          | <del> </del> = | _              | $\vdash$ | Ͱ  | ⊢        | ├-         | _            | <u> </u>   | Н        |
| 10                         | 10                         | ᆖ              | <del>  -</del> | <u> </u> | ├  | <u> </u> | ┢          | ┞            | ├  | $\vdash$ |
| 11                         | 17                         | =              | ⊢              | ⊢        | ⊢  | ₩        | ├-         | <del> </del> | ├—   | Н        |
| 12                         | 12                         | =              | $\vdash$       | $\vdash$ | -  | ├-       |            | $\vdash$     | $\vdash$   | Н        |
| 11<br>12<br>13<br>14<br>15 | 11<br>12<br>13<br>14<br>15 | =              | $\vdash$       | $\vdash$ | ⊢  | ├-       | -          | <del> </del> | ├-   | Н        |
| 14                         | 14                         | Ë              | ⊢              | -        |  | <u> </u> | ⊢          | ⊢            | ┢  | Н        |
| 16                         | 15                         | =              | $\vdash$       | -        | <del> </del>                                     | <u> </u> | <u> </u>   | <u> </u>     | <del> </del>                                     | Н        |
| 10                         | 16<br>17<br>18<br>19       | Ë              | _              | ⊢        | ⊢  | ⊢        |            | -            | <u> </u>   | Н        |
| 17<br>18<br>19             | 17                         | ▐ <u></u>      | _              | ⊢        | ⊢  | -        | ├          | ┝            | ├  | $\vdash$ |
| 10                         | 10                         | =              | ┝              | ⊢        | ⊢  | H        | ┝╌         |              |  | Н        |
| 19                         | 19                         | =              |                | H        | ┝  | -        | -          | ┝            | <u> </u>   | Н        |
| 20<br>21                   | 20<br>21                   | =              | $\vdash$       | ⊢        | ⊢  | -        | <u> </u>   | <del> </del> | ⊢  | Н        |
| 21                         | 21                         | =              | ┡              | ⊢        | ⊢  | ├-       |            | -            | ⊢  | H        |
| 22                         | 22                         | =              | -              | ├        | ┢  | -        | ⊢          | ⊢            | ⊢  | Н        |
| 22<br>23<br>24             | 24                         | =              | $\vdash$       | -        | ⊢  | -        | ┝          | $\vdash$     | ⊢  | $\vdash$ |
| 25                         | 25                         | =              |                | ┢        | ┝  | ⊢        | ┝          | $\vdash$     | ┢  | Н        |
| 25<br>26<br>27             | 25<br>26                   | Ē              |                |          | ├  | -        | ⊢          | ⊢            | ⊢  | $\vdash$ |
| 27                         | 27                         | =              |                | -        | ⊢  | $\vdash$ | 1          | ⊢            | ┝  | Н        |
| 28                         | 28                         | =              |                | ┢        | $\vdash$   | $\vdash$ | ├          | -            | ├  | Н        |
| 28<br>29<br>30             | 28<br>29                   | -              |                | $\vdash$ | <del> </del>                                     | ⊢        | -          | -            | ⊢  | Н        |
| 30                         | 30                         | =              |                | -        | -  | -        | ⊢          | $\vdash$     | ┢  | $\vdash$ |
| 31                         | 31                         | =              | _              | -        | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   | Н        |
| 32                         | 32                         | -              |                |          | $\vdash$   | $\vdash$ | ┝          | ├            | -  | Н        |
| 33                         | 33                         | =              | H              |          | $\vdash$   | -        | $\vdash$   | $\vdash$     | $\vdash$   | Н        |
| 34                         | 34                         | =              |                | _        | $\vdash$   |          | $\vdash$   | $\vdash$     | $\vdash$   | Н        |
| 35                         | 35                         | =              |                | -        | $\vdash$   | $\vdash$ | $\vdash$   | -            | $\vdash$   | $\vdash$ |
| 36                         | 36                         | =              |                | _        | <del>                                     </del> | $\vdash$ |            | $\vdash$     | $\vdash$   | H        |
|                            | 36<br>37                   |                | _              |          |  | $\vdash$ | H          |              | <del>                                     </del> | H        |
|                            | 38                         | $\vdash$       | _              | _        | <del> </del>                                     | _        | $\vdash$   | $\vdash$     | $\vdash$   | Н        |
|                            | 39                         |                |                |          | $\vdash$   | 1        | -          | $\vdash$     |  | H        |
|                            | 40                         | $\vdash$       |                |          | <u> </u>   | $\vdash$ |            | $\vdash$     | $\vdash$   | Н        |
|                            | 41                         |                |                | _        |  | $\vdash$ |            | $\vdash$     | $\vdash$   | H        |
|                            | 42                         | П              |                |          |  |          |            |              |  | Н        |
|                            | 43                         | Н              |                |          |  |          |            | _            |  | H        |
|                            | 44                         | Н              |                |          | Т  | $\vdash$ |            | $\vdash$     | Н  | Н        |
|                            | 45                         | $\vdash$       |                | _        | _  | $\vdash$ | -          | <u> </u>     |  | Н        |
|                            | 46                         |                |                |          | $\vdash$   |          |            | Н            | -  | $\dashv$ |
|                            | 47                         | $\vdash$       | $\vdash$       |          |  | Н        | $\vdash$   |              | Н  | $\dashv$ |
|                            | 48                         | $\vdash$       |                | -        |  |          | $\vdash$   | -            | Н  | $\dashv$ |
|                            | 49                         |                |                |          | _  |          |            |              |  | Н        |
|                            | 50                         |                | $\neg$         |          |  | П        | H          |              | Н  | $\dashv$ |

| Date         |    |        |              |              |   | 1        | Claim Date |   |        |          |         |        |               |          |        |   |  |          |        |
|--------------|----|--------|--------------|--------------|---|----------|------------|---|--------|----------|---------|--------|---------------|----------|--------|---|--|----------|--------|
|              |    | ι-     | Tac          | <del>-</del> | т | т        | _          | ł | Cic    | 11111    | -       |        |               | _        | Jan    | _ | 1  | _        | -      |
|              |    |        |              |              |   |          |            |   | Final  | Original |         |        |               |          |        |   |  |          |        |
|              |    | Г      | Г            |              | ऻ |          |            | 1 |        | 51       |         |        |               |          |        |   |  | T        | П      |
|              |    |        | T            |              |   |          |            | 1 |        | 52       |         |        | $\overline{}$ |          |        |   |  | _        |        |
|              |    |        |              |              | 1 | T        |            | 1 |        | 53       |         |        |               | T        |        |   | <del>                                     </del> | $\vdash$ | П      |
|              |    |        |              | Г            | 1 | $\vdash$ | $\vdash$   | 1 |        | 54       |         |        |               |          |        |   |  | Н        | П      |
|              |    |        | T            |              | Τ |          |            | 1 |        | 55       |         |        | _             | Н        |        |   |  | ┢        | Н      |
|              |    |        |              |              |   |          |            | 1 |        | 56       | H       |        |               | $\vdash$ |        |   |  | $\vdash$ | Н      |
|              |    |        | П            |              |   |          |            | 1 |        | 57       |         |        | _             | $\vdash$ |        |   |  | -        | П      |
|              |    |        | Π            |              | Г |          |            | 1 |        | 58       |         |        |               | Г        |        |   | Т  |          | П      |
|              |    |        |              |              |   |          |            | 1 |        | 59       | П       |        |               |          | _      |   | Г  | Г        |        |
|              |    |        |              | Г            | Г | Ī        |            | 1 |        | 60       |         |        |               |          | ·      |   |  |          |        |
| ·            |    |        |              | Π            | П |          |            | 1 |        | 61       | П       |        |               |          |        |   |  |          |        |
|              |    |        |              | Г            | Γ |          |            | 1 |        | 62       |         |        |               |          |        |   |  |          |        |
|              |    | Г      |              |              |   |          | П          | 1 |        | 63       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            | 1 |        | 64       |         |        |               |          |        |   | $\Box$   |          |        |
|              |    |        |              |              |   |          |            | 1 |        | 65       |         |        |               |          |        |   | Г  |          |        |
|              |    |        |              |              |   |          |            | 1 |        | 66       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 67       |         |        |               | -        |        |   |  |          | П      |
|              |    |        |              |              |   |          |            | Ì |        | 68       |         |        |               |          |        |   |  |          | П      |
|              |    |        |              |              |   |          |            | 1 |        | 69       |         |        |               |          |        |   |  |          | П      |
| _            |    |        |              |              |   |          |            | 1 |        | 70       |         |        |               | -        |        |   |  |          | П      |
|              |    |        |              |              |   |          |            |   |        | 71       |         |        |               |          |        |   |  |          | П      |
|              |    |        |              |              |   |          |            |   |        | 72       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 73       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 74       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 75       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            | ] |        | 76       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 77       |         |        |               |          |        |   | П  |          |        |
|              |    |        |              |              |   |          |            |   |        | 78       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 79       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 80       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 81       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 82       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 83       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 84       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            | Į |        | 85       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 86       |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 87       |         | ]      |               |          |        |   |  |          |        |
| ┙            |    |        |              |              |   |          |            |   |        | 88       |         |        |               |          |        |   |  |          |        |
| ┙            |    |        |              |              |   |          |            |   |        | 89       |         |        |               |          |        |   |  |          |        |
| ╝            |    |        |              |              |   |          |            |   |        | 90_      |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        | 91       |         |        |               |          |        |   |  |          |        |
| ╛            |    |        | $oxed{oxed}$ |              |   |          |            |   |        | 92       |         | $\Box$ |               |          |        |   |  |          |        |
| _            | _  |        |              |              |   |          |            | [ |        | 93       |         |        |               |          |        |   |  |          |        |
| _            | _  |        |              |              |   | Ш        |            |   | $\Box$ | 94       |         | ]      |               | ]        |        |   |  |          |        |
| _[           |    |        |              |              | Ш |          |            |   |        | 95       |         |        |               |          |        |   |  |          |        |
| ⅃            | _  |        |              |              | Ш | Ш        |            |   |        | 96       |         |        |               |          | ]      |   |  |          |        |
| _            |    |        |              |              |   |          |            |   |        | 97       |         | $\Box$ | _]            | $\Box$   |        |   |  |          |        |
| $\downarrow$ | _  |        |              |              | Ш | $\Box$   |            | [ | [      | 98       | $\prod$ | $\Box$ |               |          |        |   |  |          | $\Box$ |
| 4            | _ļ | $\Box$ |              |              | Ш |          |            |   |        | 99       | [       | [      | $\perp$       |          | $\Box$ |   |  |          |        |
|              |    |        |              |              |   |          |            |   | I      | 100      |         |        |               |          |        |   |  |          |        |
|              |    |        |              |              |   |          |            |   |        |          |         |        |               |          |        | - |  |          |        |

|       | ,  |          |  |          |              |          |  |                | •            |          |
|-------|--|----------|--|----------|--------------|----------|--|----------------|--------------|----------|
| Cl    | aim  | Date     |  |          |              |          |  |                |              |          |
| Final | Originat   |          |  |          |              |          |  |                |              |          |
|       | 101  |          | Г  | $\vdash$ |              | İ        | 1  |                |              |          |
|       | 102<br>103   |          |  |          |              |          |  |                |              |          |
|       | 103  |          | L  | _        | _            | L        | <u> </u>   | L              | _            |          |
|       | 104<br>105   | <u> </u> | ┞  | ┡        | _            |          | <u> </u>   | <u> </u>       |              |          |
|       | 105  | ⊢        | -  | ├        | <del> </del> |          | ├  | ├-             | _            | H        |
|       | 107  | ┢        | <u> </u>   | ├        | -            | $\vdash$ | <del>                                     </del> |                | 1            | Н        |
|       | 107<br>108   |          | <del>                                     </del> | 一        | $\vdash$     | -        | ┢  | ┢              | $\vdash$     |          |
|       | 109  |          |  |          | Т            |          | Г  | H              | $\vdash$     |          |
|       | 110  |          |  |          |              |          |  |                |              |          |
|       | 111  |          |  |          |              | L        |  |                |              |          |
|       | 112  |          | <u> </u>   | <u> </u> | L            | _        | L  | L              | _            | Ш        |
|       | 113  | <u> </u> |  | -        | -            | ļ        | ├_   | ┞              | _            | Ŀ        |
|       | 114<br>115   | -        | ⊢  | ⊢        | ├            | ⊢        | _  | _              | <del> </del> | Н        |
|       | 116  | $\vdash$ | $\vdash$   | ⊢        |              | ⊢        | ⊢  | <del> </del> — | ├            | Н        |
|       | 117  |          | $\vdash$   | $\vdash$ | $\vdash$     | -        | -  |                | $\vdash$     | Н        |
|       | 118  | -        | 1  |          |              | -        | _  | $\vdash$       |              | Н        |
|       | 118<br>119   |          |  |          |              |          |  |                | T            | П        |
|       | 120  |          |  |          |              |          |  |                |              |          |
|       | 121  |          |  |          |              |          |  |                |              |          |
|       | 122  |          | <u> </u>   | <u> </u> | ļ            | <u> </u> | _  | _              | <u> </u>     |          |
|       | 123  | _        | -  | -        | -            | _        | -  |                | -            |          |
|       | 125  |          | _  | ⊢        | -            |          | ·  | -              | -            | -        |
| -     | 126  |          | <del>                                     </del> | ┢        |              |          | $\vdash$   | $\vdash$       |              | Н        |
|       | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 |          |  | H        |              |          |  | _              | $\vdash$     |          |
|       | 128  |          |  | 1        |              |          |  | Г              |              |          |
|       | 129<br>130   |          |  |          |              |          |  |                |              |          |
|       | 130  |          | <u> </u>   | _        | _            | L_       | <u> </u>   | _              |              |          |
|       | 131  |          | <u> </u>   | _        | <u> </u>     | _        | <u> </u>   | <u> </u>       | <u> </u>     | _        |
|       | 132<br>133   | _        | -  | _        | ┡            | <u> </u> |  | -              |              | -        |
|       | 134  |          | -  | ⊢        | $\vdash$     | -        | -  | $\vdash$       | -            | $\dashv$ |
|       | 135  |          | $\vdash$   | -        |              |          | -  |                | -            | $\dashv$ |
|       | 136  |          |  | $\vdash$ |              |          | _  | $\vdash$       | Н            | $\dashv$ |
|       | 137  |          |  |          |              |          |  |                |              |          |
|       | 138  |          |  | Ц        |              |          |  |                |              |          |
|       | 139  |          |  | L        | _            |          |  |                |              |          |
|       | 140  |          |  | <u> </u> | _            |          | <u> </u>   | _              |              | $\dashv$ |
|       | 141  |          | _  | H        | _            |          |  | -              |              | 긕        |
| -     | 143  | _        | -  | -        | H            |          |  | <del> -</del>  | Н            | $\vdash$ |
|       | 144  | -        | -  | -        | -            |          | -  | H              | Н            | $\dashv$ |
|       | 145  |          | Т  |          |              |          | Т  |                | Н            | $\dashv$ |
|       | 146  |          |  |          |              |          |  |                |              | $\neg$   |
|       | 147  |          |  |          |              |          |  |                |              |          |
|       | 148  |          |  | Ш        |              |          |  |                |              |          |
|       | 149  | _        |  | Щ        |              |          |  | Щ              |              | _        |
|       | 150  |          |  |          |              |          |  | L. i           |              |          |